Inventor(s): Russell A. Brierly, Joan N. Abrams, John M. Hanson, Francis C. Maslanka Sheet 1 of 12 Attorney: Paul K. Legaard 215-568-3100 The second secon 1/12 **IGF-I PRODUCTION FROM** PICHIA PASTORIS **FERMENTATION** CELL REMOVAL **SP1 CATION RECOVERY** REFOLDING HIC CHROMATOGRAPHY **SP2 CATION CHROMATOGRAPHY** CONCENTRATION **REVERSE PHASE** REMOVE CHROMATOGRAPHY **GEL FILTRATION CHROMATOGRAPHY** CONCENTRATION DIAFILTRATION

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Serial No. 09/614,947

Title: IGF-I PURIFICATION PROCESS

FIG. 1

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Inventor(s): Russell A. Brierly, Joan N. Abrams, John M. Hanson, Francis C.

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Attorney: Paul K. Legaard 215-568-3100

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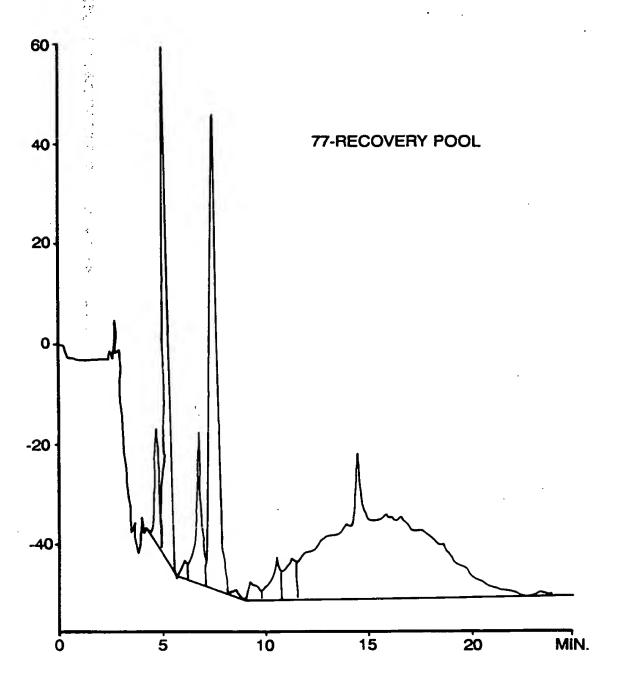


FIG. 2

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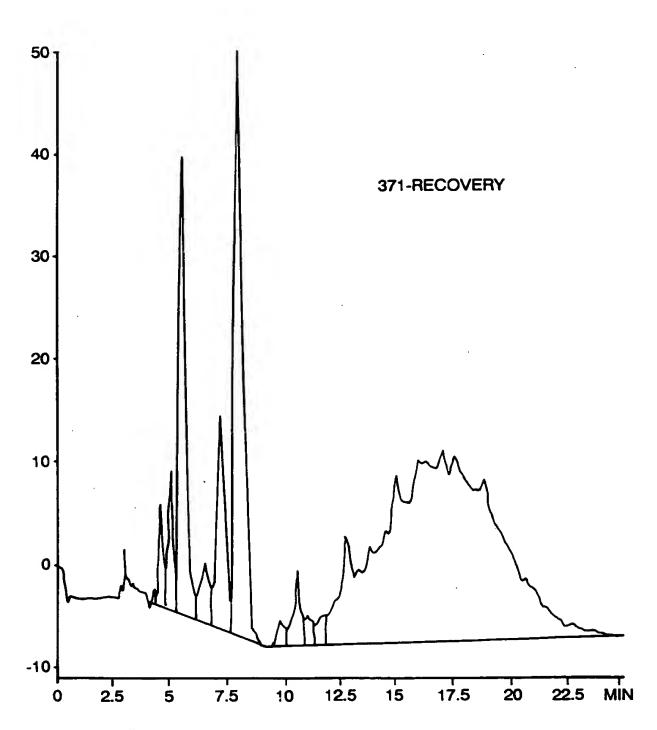


FIG. 3

IGF-I PURIFICATION PROCESS

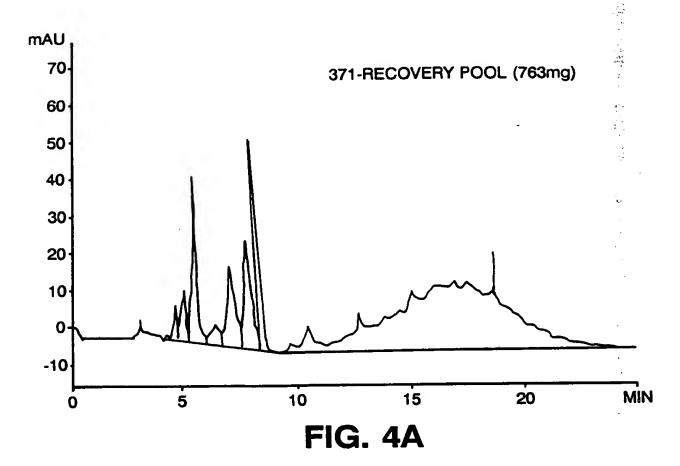
No. 09/614,947

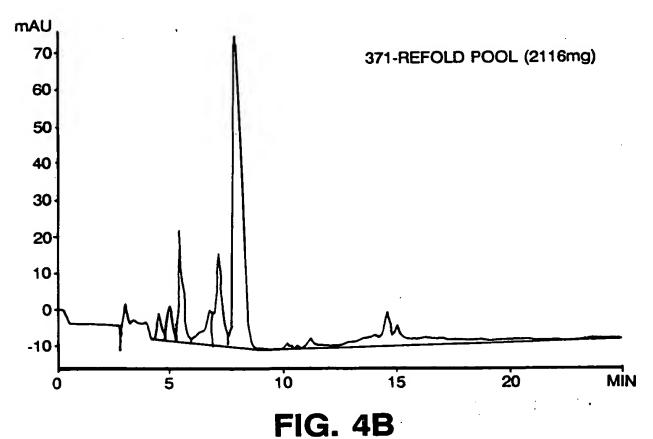
Inventor(s): Russell A. Brierly, Joan N. Abrams, John M. Hanson, Francis C.

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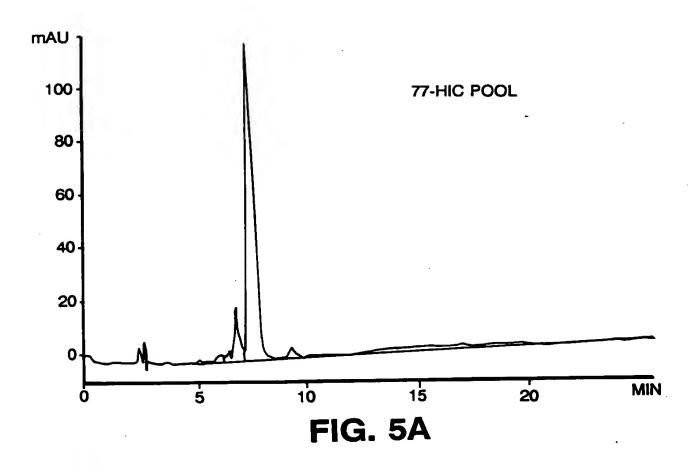
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al No. 09/614,947

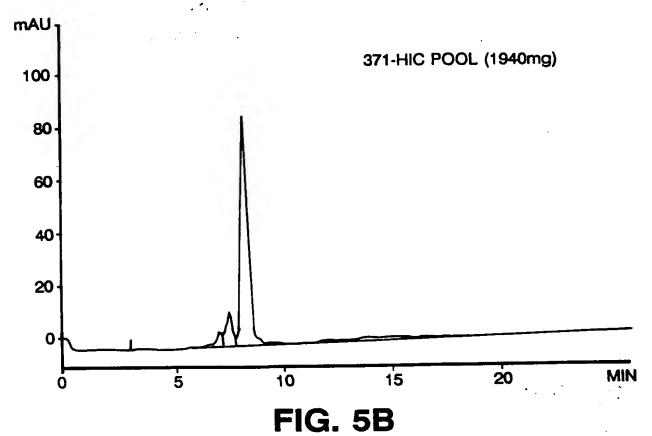
Inventor(s): Russell A. Brierly, Joan N. Abrams, John M. Hanson, Francis C.

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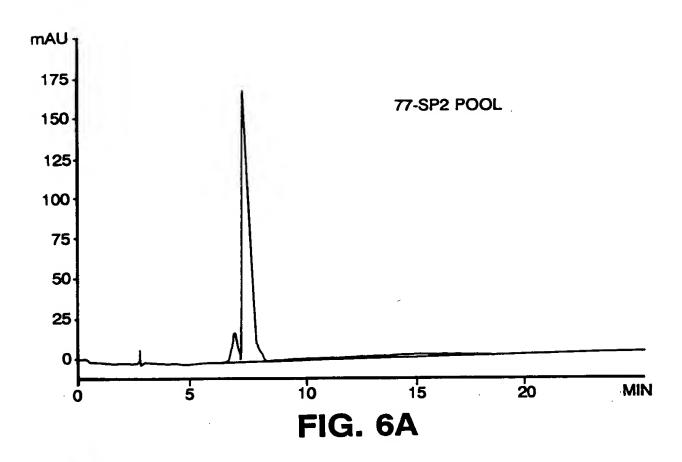
Serial No. 09/614,947

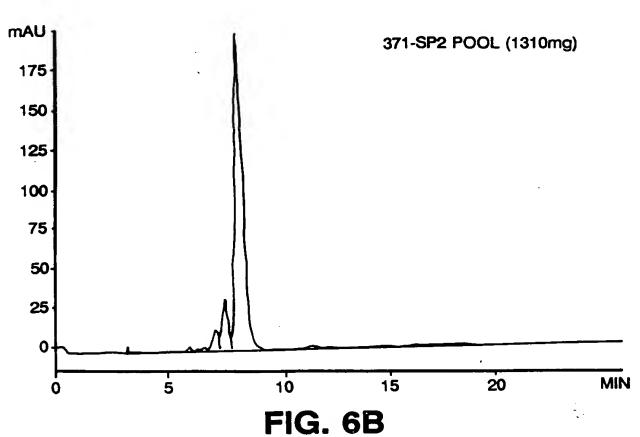
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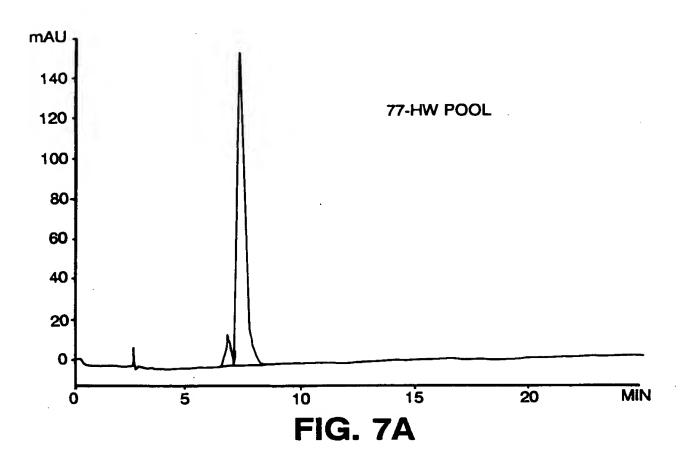
ial No. 09/614,947

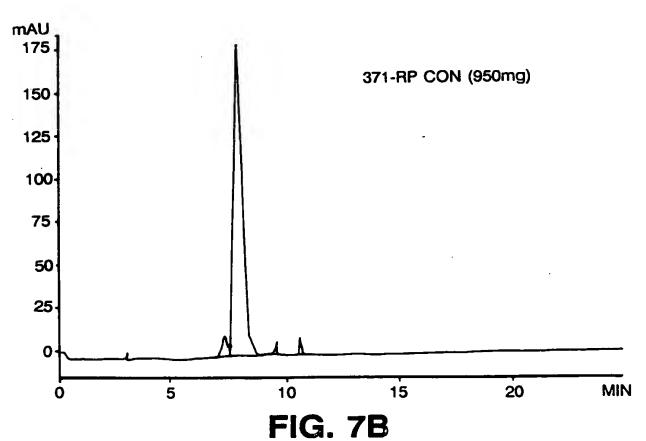
inventor(s): Russell A. Brierly, Joan N. Abrams, John M. Hanson, Francis C.

Maslanka

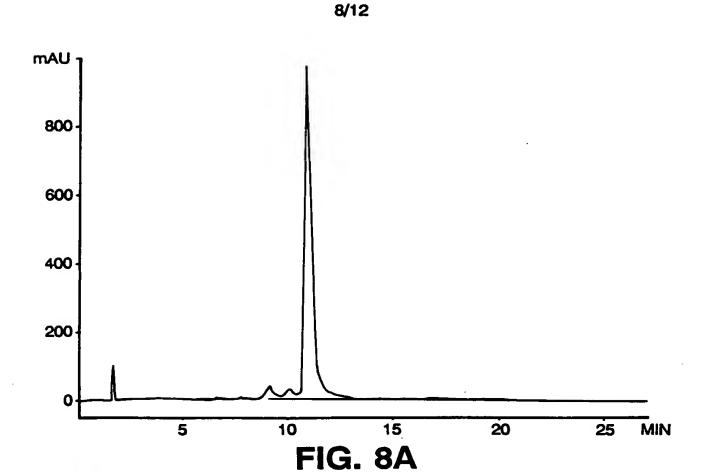
Attorney: Paul K. Legaard 215-568-3100

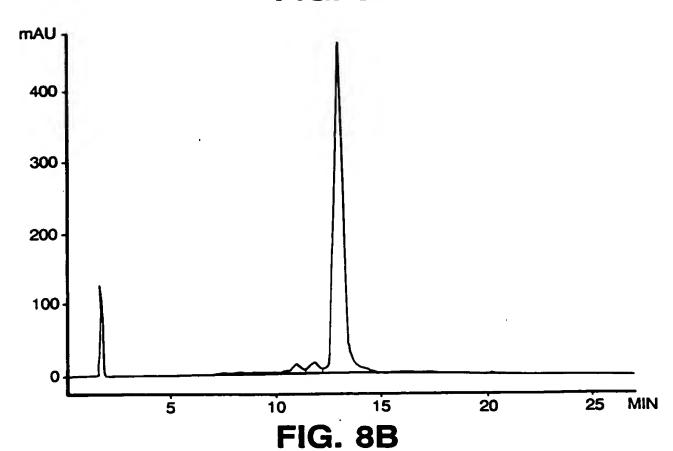
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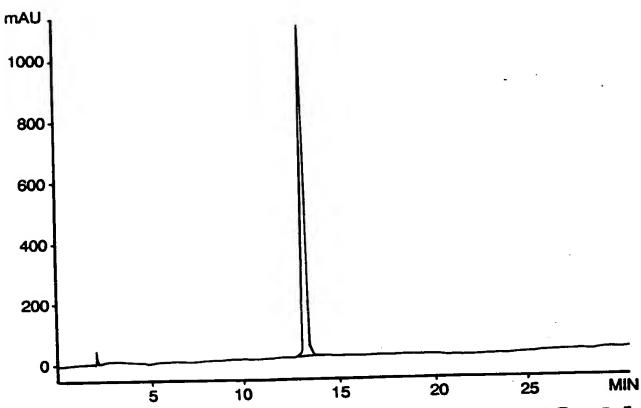


FIG. 9A

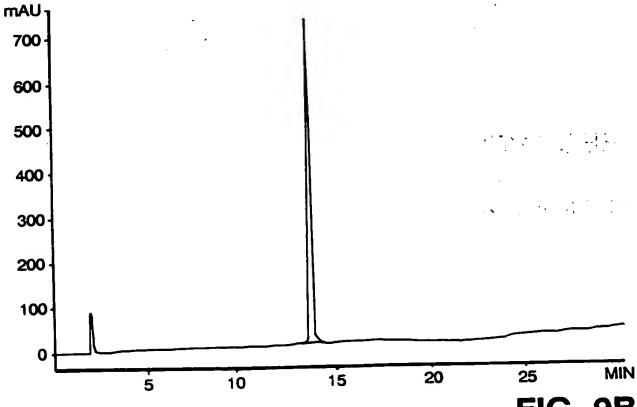


FIG. 9B

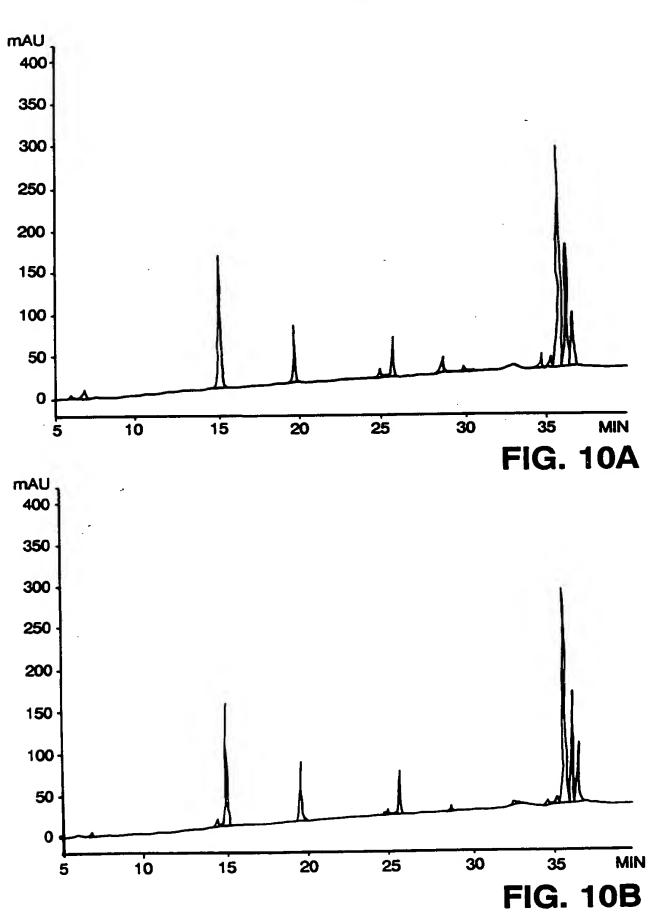
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nventor(s): Russell A. Brierly, Joan N. Abrams, John M. Hanson, Francis C. Maslanka Attorney: Paul K. Legaard 215-568-3100 Sheet 11 of 12 11/12 mAU 400 350 300 250 200 150 100 **50** 0 MIN 35 37.5 17.5 20 30 32.5 15 22.5 25 27.5 **FIG. 11A mAU** 400 350 300 250 200 150 100 50 0 35 37.5 MIN 32.5 27.5 17.5 20 22.5 25 30 15 FIG. 11B

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FIG. 12B